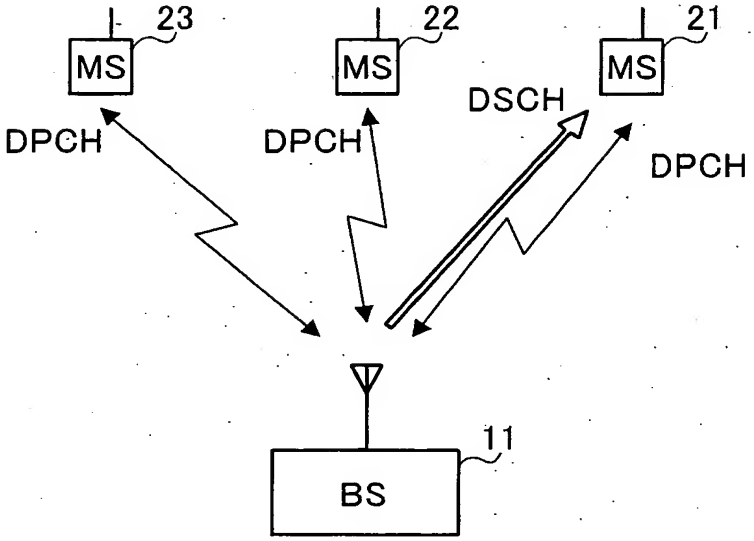

FIG.1

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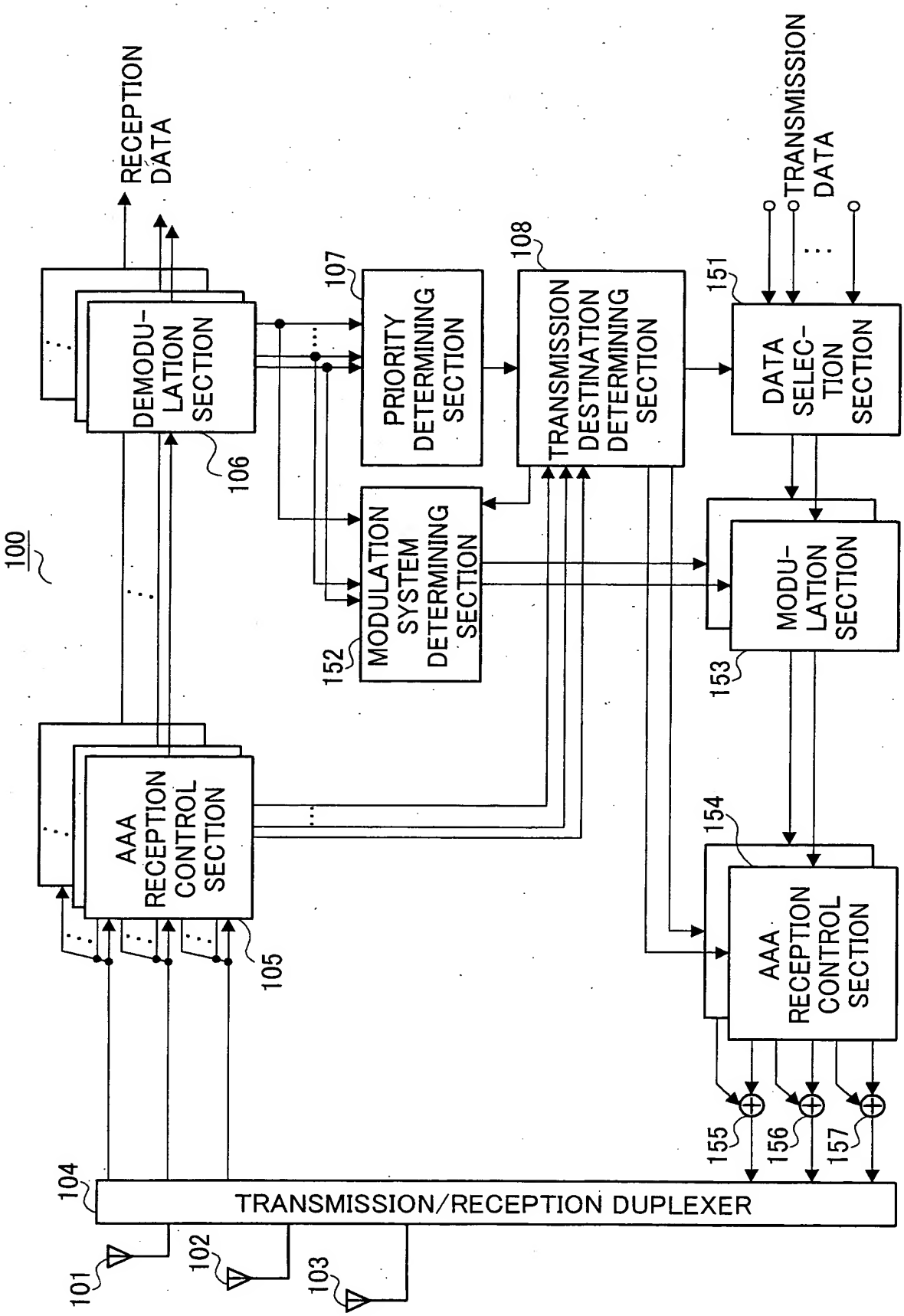
RECEPTION DATA
TRANSMISSION DATA
DEMODU-LATION SECTION
106
PRIORITY DETERMINING SECTION
107
TRANSMISSION DESTINATION DETERMINING SECTION
108
DATA SELEC-TION SECTION
151
MODULATION SYSTEM DETERMINING SECTION
152
MODU-LATION SECTION
153
AAA RECEPTION CONTROL SECTION
105
AAA RECEPTION CONTROL SECTION
154
155
156
157
TRANSMISSION/RECEPTION DUPLEXER
104
101
102
103
100

FIG.2

PRIORITY	1	2	3	4	5	6	7	8	9
MS	201	202	207	208	205	203	204	209	206

FIG.3

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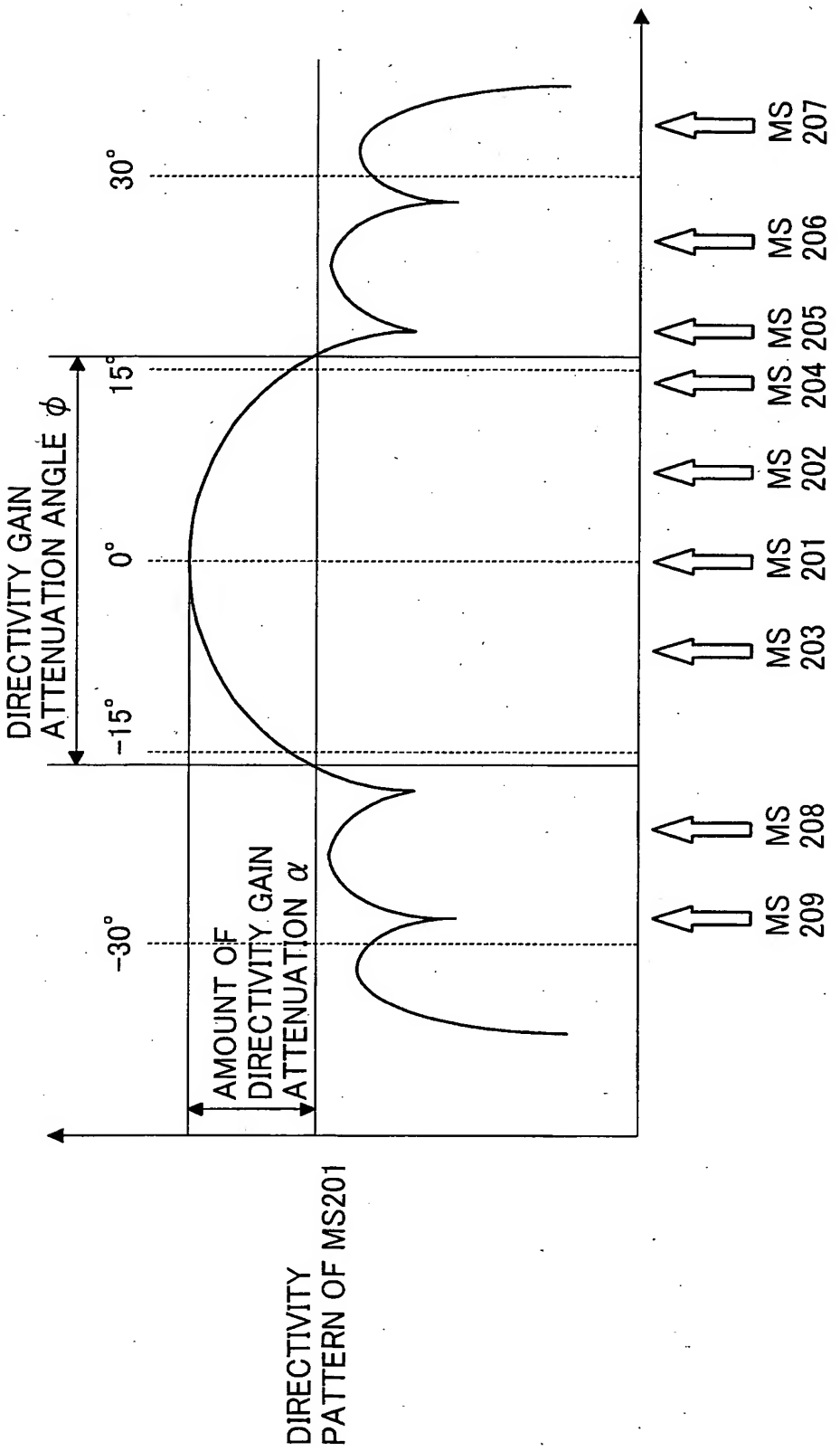
DIRECTIVITY GAIN ATTENUATION ANGLE φ
30°
15°
0°
-15°
-30°
AMOUNT OF DIRECTIVITY GAIN ATTENUATION α
DIRECTIVITY PATTERN OF MS201
MS 209
MS 208
MS 203
MS 201
MS 202
MS 204
MS 205
MS 206
MS 207

FIG.4

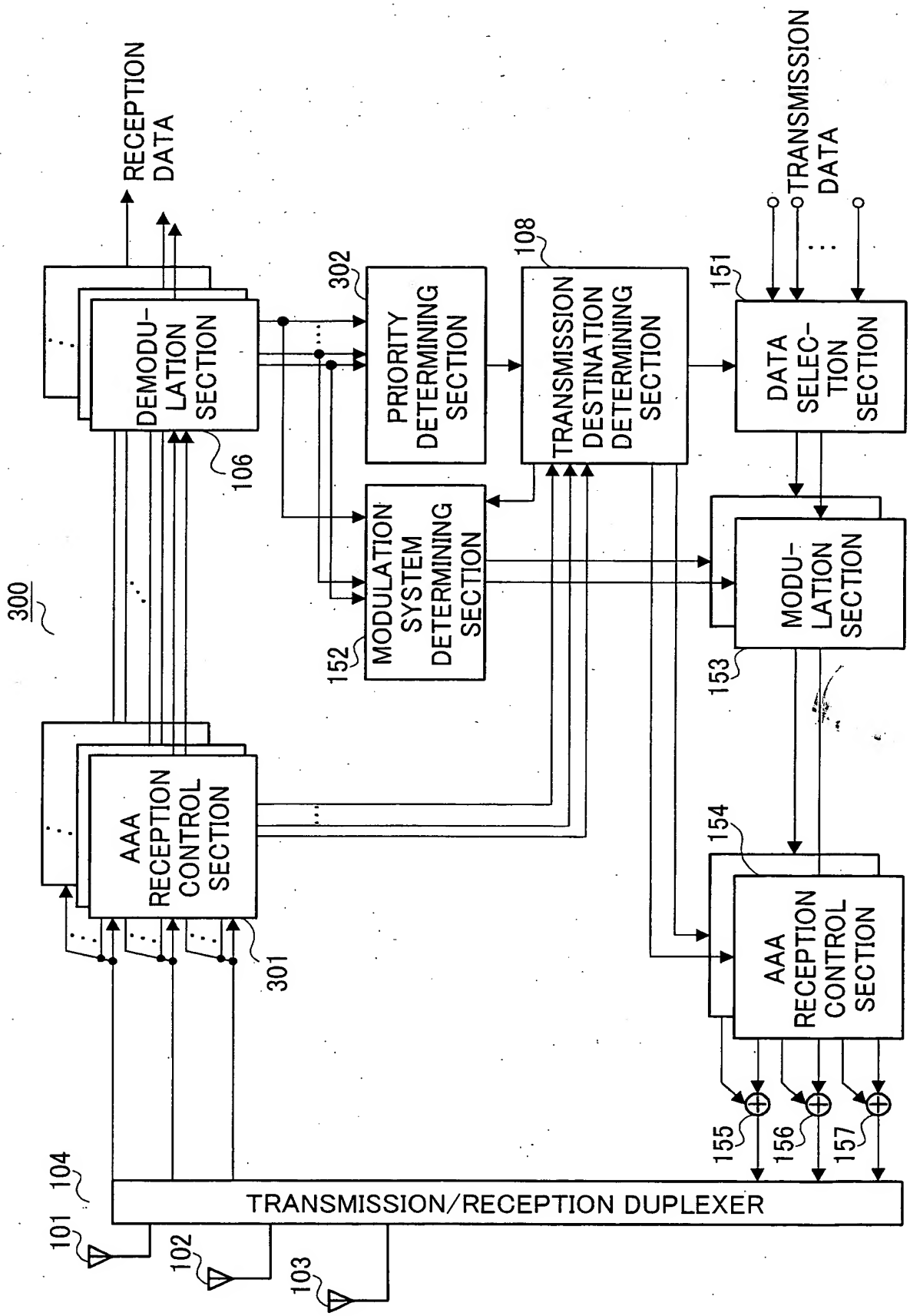
RECEPTION DATA
TRANSMISSION DATA
DEMODU-LATION SECTION
106
PRIORITY DETERMINING SECTION
302
TRANSMISSION DESTINATION DETERMINING SECTION
108
DATA SELEC-TION SECTION
151
MODULATION SYSTEM DETERMINING SECTION
152
MODU-LATION SECTION
153
300
AAA RECEPTION CONTROL SECTION
301
AAA RECEPTION CONTROL SECTION
154
155
156
157
TRANSMISSION/RECEPTION DUPLEXER
104
101
102
103

FIG.5

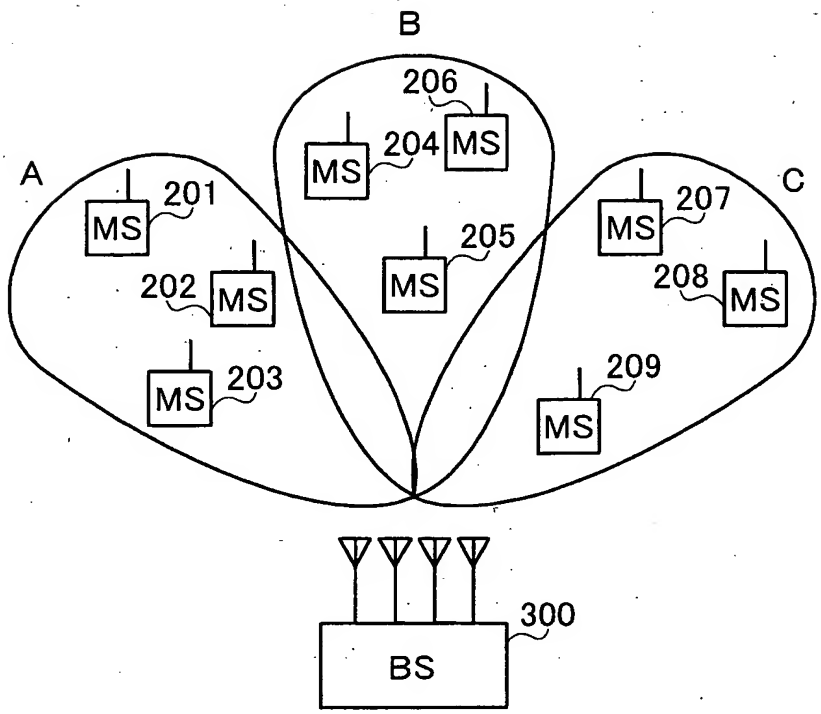

FIG.6

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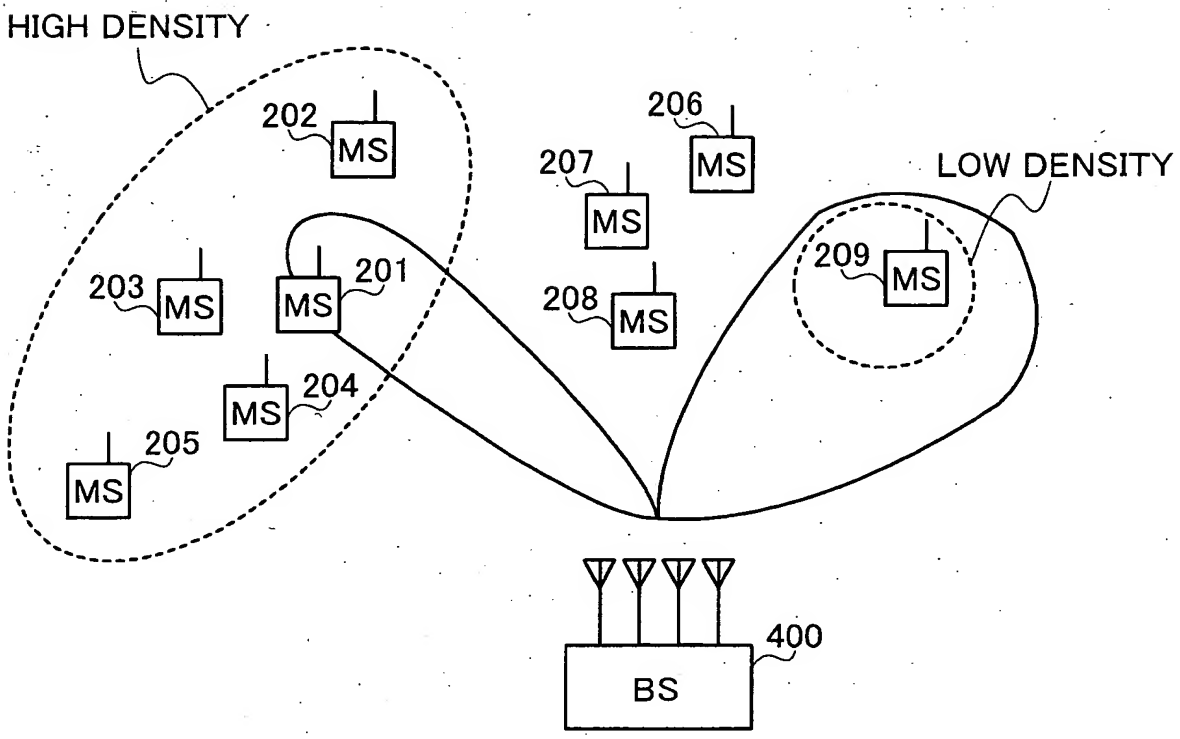
HIGH DENSITY
202
MS
206
MS
207
MS
LOW DENSITY
209
MS
203
MS
201
MS
208
MS
204
MS
205
MS
400
BS

FIG.7

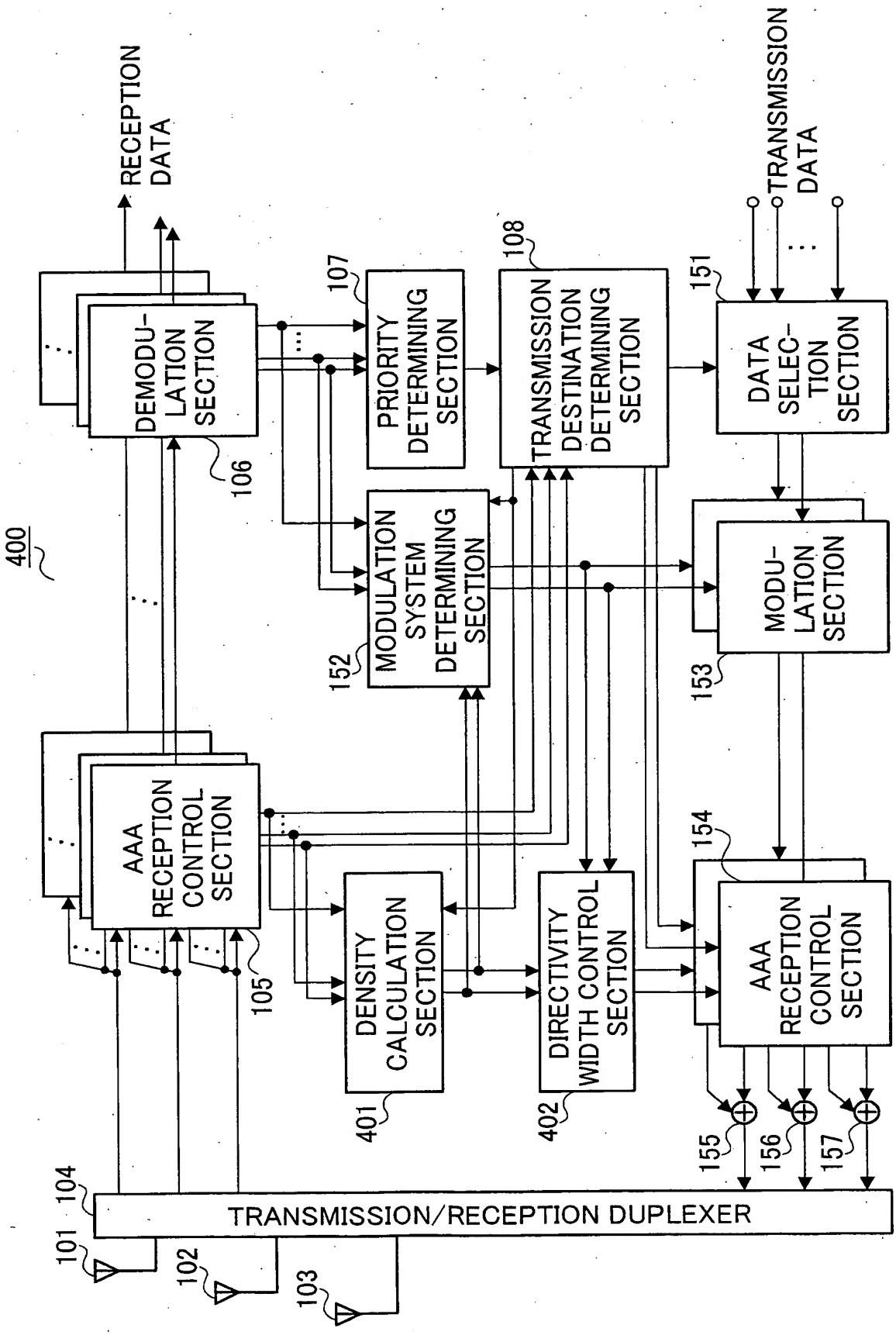
RECEPTION DATA
TRANSMISSION DATA
400
DEMODU-LATION SECTION
106
PRIORITY DETERMINING SECTION
107
TRANSMISSION DESTINATION DETERMINING SECTION
108
DATA SELEC-TION SECTION
151
MODULATION SYSTEM DETERMINING SECTION
152
MODU-LATION SECTION
153
AAA RECEPTION CONTROL SECTION
105
DENSITY CALCULATION SECTION
401
DIRECTIVITY WIDTH CONTROL SECTION
402
AAA RECEPTION CONTROL SECTION
154
155
156
157
TRANSMISSION/RECEPTION DUPLEXER
104
101
102
103

FIG.8

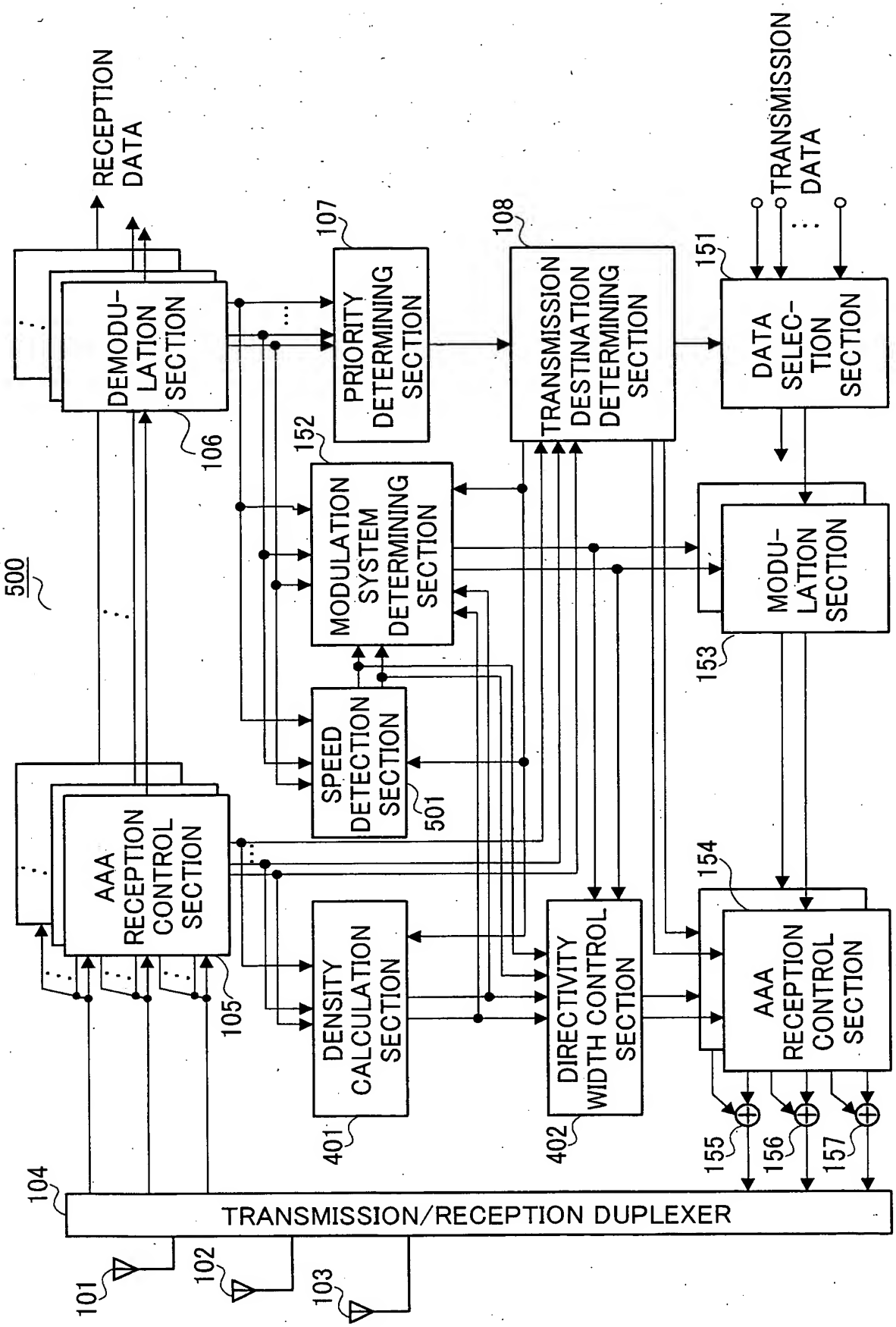
RECEPTION DATA
TRANSMISSION DATA
DEMODU-LATION SECTION
106
PRIORITY DETERMINING SECTION
107
TRANSMISSION DESTINATION DETERMINING SECTION
108
DATA SELEC-TION SECTION
151
MODULATION SYSTEM DETERMINING SECTION
152
MODU-LATION SECTION
153
500
SPEED DETECTION SECTION
501
AAA RECEPTION CONTROL SECTION
105
DENSITY CALCULATION SECTION
401
DIRECTIVITY WIDTH CONTROL SECTION
402
154
AAA RECEPTION CONTROL SECTION
155
156
157
104
TRANSMISSION/RECEPTION DUPLEXER
101
102
103

FIG.9